


- NOTES:
1. WHEN MACHINING VACUUM PARTS, USE OF SILICONE AND SULPHUR-BASED CUTTING FLUIDS IS PROHIBITED. USE ONE OF THE FOLLOWING:
    - A) CIMCOOL 5 STAR 49
    - B) TRIM SOL
  2. THIS IS A UHV PART, ELECTROPOLISHING IS NEEDED BEFORE WELDING. PRIOR TO ELECTROPOLISHING, THE PART MUST GO THROUGH A MULTIPLE STEP CLEANING PROCESS INVOLVING DEGREASING, WASHING AND DRY NITROGEN BLOW DOWN.
  3. KEEP THE PART CLEAN, AND WRAP FOR UHV PACKING WITH ALUMINUM FOIL.
  4. DIMENSIONS IN [ ] ARE MILLIMETERS AND FOR REF. ONLY

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
<b>PARTS LIST</b>				
LOG NUMBER		THIS DRAWING IS THE PROPERTY OF		
<b>A24565B0</b>		<b>ARGONNE NATIONAL LABORATORY</b>		
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES DECIMALS <b>FRACTIONS</b> .XXX = ( )/1000     .XX = ( )/100 .XXX = .005 (1/20)		 THIS DRAWING IS THE PROPERTY OF <b>ARGONNE NATIONAL LABORATORY</b>  <b>ADVANCED PHOTON SOURCE</b>  <b>M4-20 APS 2mm - 1.5" SOURCE</b>  <b>WATER COOLED FIXED MASK</b>  <b>MAIN BODY</b>		
SURFACE FINISH <b>125</b> REMOVE ALL BURRS AND BREAK SHARP EDGES (SEE MAX.) SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST AND B4-1				
DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST AND T4-5				
MATERIAL <b>SEE SHEET 1 OF 2</b>				
DO NOT SCALE DRAWING				
DRAWN BY <b>MUSCIA</b> CHECKED BY <b>D.H.U</b> DESIGNED BY <b>SHUMUSCIA</b> RESPONSIBLE ENGINEER <b>D. SHU</b>		DATE <b>5/17/96</b> DATE <b>5/28/96</b> DATE <b>5/17/96</b> DATE <b>5/28/96</b>		TITLE <b>ADVANCED PHOTON SOURCE</b>  <b>M4-20 APS 2mm - 1.5" SOURCE</b>  <b>WATER COOLED FIXED MASK</b>  <b>MAIN BODY</b>
CHIEF DESIGN ENGINEER <b>D. M. KUZAY</b> UP LIDER <b>T. M. SHU</b> PROJECT MANAGER		DATE <b>5/28/96</b> DATE <b>5/28/96</b> DATE <b>5/28/96</b> DATE <b>5/28/96</b>		SCALE <b>1:1</b> SHEET <b>2:2</b>
APPROVED/RELEASED  DATE <b>5/28/96</b>		DRAWING NUMBER <b>P4105091004-200001-00</b>		